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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</i>	Attorney Docket No.	NORTH-358G/A-2185 D1
	First Inventor or Application Identifier	Jerry Wynn Brimer et al.
	Title	ACID IMPERVIOUS COATED METAL SUBSTRATE...
	Express Mail Label No.	EL711376366US

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>		<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231		
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i>	5. <input type="checkbox"/> Microfiche Computer Program (Appendix)	09/63201 08/02/00		
2. <input checked="" type="checkbox"/> Specification [Total Pages <u>11</u> ] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to Microfiche Appendix</li> <li>- Background of the invention</li> <li>- Brief Summary of the invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul>	6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Copy</li> <li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li> <li>c. <input type="checkbox"/> Statement verifying identity of above copies</li> </ul>			
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>1</u> ]	<b>ACCOMPANYING APPLICATION PARTS</b>			
4. Oath or Declaration [Total Pages <u>1</u> ] <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input checked="" type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d))  <i>(for continuation/divisional with Box 16 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> DELETION OF INVENTOR(S)            Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul>	7. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 8. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement of Power of Attorney <i>(when there is an assignee)</i> <input type="checkbox"/> Attorney 9. <input type="checkbox"/> English Translation Document (if applicable) 10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 11. <input checked="" type="checkbox"/> Preliminary Amendment 12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 13. <input type="checkbox"/> * Small Entity Statement filed in prior application, Status still proper and desired <i>(PTO/SB/09-12)</i> <input type="checkbox"/> 14. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 15. <input type="checkbox"/> Other:			
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16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09 J 248,172

Prior application information: Examiner F. Parker Group / Art Unit: 1762

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

#### 17. CORRESPONDENCE ADDRESS

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Name (Pnn/Type)	Bruce B. Brunda	Registration No. (Attorney/Agent)	28,497
Signature	<i>Bruce B. Brunda</i>	Date	8/2/00

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2. UTILITY PATENT APPLICATION TRANSMITTAL;
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4. ONE SHEET OF DRAWINGS;
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Case No.: NORTH-358G/A-2185 D1  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Jerry Wynn Brimer	)	
	et al.	)	
		)	Group No.: 1762
Serial No.:	Unknown	)	
		)	Examiner: F. Parker
Filed:	Herewith	)	
		)	
For:	ACID IMPERVIOUS COATED	)	
	METAL SUBSTRATE SURFACE	)	
	AND METHOD OF PRODUCTION	)	

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PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, D. C. 20231

Dear Sir:

Applicants respectfully request entry of the following Preliminary Amendment prior to the examination of the above-identified divisional patent application.

IN THE CLAIMS:

Please cancel Claims 1-10.

REMARKS

By this Preliminary Amendment, Applicants have canceled Claims 1-10 from the present application due to the same having been prosecuted in relation to parent application Serial No. 09/248,172 filed February 9, 1999. Accordingly, in the present divisional patent application, Applicants are prosecuting Claims 11-15 which were originally presented in the parent application and withdrawn

from consideration therein due to Applicants having elected to prosecute Claims 1-10 of the parent application in response to a Restriction Requirement rendered in relation thereto, as is reflected in the February 10, 2000 Office Action rendered in relation to the parent application.

Should the Examiner have any suggestions for expediting allowance of the claims, he is invited to contact Applicants' representative at the telephone number listed below.

Respectfully submitted,

Date: 8/2/00

By: 

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Case No.: NORTH-358<sup>6</sup>/A-2185 D1

Pat. Appln.

ACID IMPERVIOUS COATED METAL SUBSTRATE SURFACE

5

AND METHOD OF PRODUCTION

Field of the Invention

This invention relates in general to metal substrate surface coatings, and in particular to methodology and coated  
10 products therefrom for rendering a surface of a metal substrate substantially acid impervious by depositing a mixture of a high-temperature resistant polymer particulate such as polyamide particulate and a curable powder adhesive on the surface of the metal substrate and thereafter curing the  
15 adhesive to thereby adhere the polyamide particulate as a film on the surface.

Background of the Invention

In certain applications it is necessary to provide a  
20 substantially acid-impervious metal substrate that comes into contact with another substrate whose chemical acidity acts to leach any available iron from the metal substrate. One important application is found in curing fixtures used to fabricate polymer composite resin-impregnated parts. In  
25 particular, resin-impregnated fiber of polymer composite material is placed on a steel curing fixture to give parts made therefrom a desired shape. The composite material is

vacuum-bagged to the steel fixture and cured in an autoclave at an elevated temperature, all as known in the art. However, certain high-temperature polymer composite materials that cure above about 500°F will corrode the steel fixture while  
5 contemporaneously producing a bad part that exhibits undesirable reduced oxidative properties and high porosity.

It has been found that the reason for the above described corrosion and poor product yield is due to acid from the composite material acting to leach iron from the steel  
10 fixture. Because of the resulting untoward effect, it is most important to block acid passage into the fixture to thereby prevent iron leaching into the fabricated part. Accordingly, a primary object of the present invention is to provide methodology for providing a coating to a metal surface such as  
15 the surface of a steel curing fixture to thereby render that surface substantially acid impervious.

Another object of the present invention is to provide such methodology wherein the coating is deposited on the metal surface as a mixture of high-temperature resistant polymer  
20 particulate such as a polyamide particulate and a curable powder adhesive which thereafter is cured to adhere the polymer particulate as an acid impervious coating on the surface.

Yet another object of the present invention is to provide  
25 an acid impervious steel curing fixture having a high-temperature resistant polymer particulate coating thereon

which is temperature resistant up to about 700°F.

These and other objects of the present invention will be apparent throughout the description thereof which now follows.

Summary of the Invention

5       The present invention is a method of rendering a surface of a metal substrate substantially acid impervious. The method comprises first placing the surface in a field of treatment, then depositing a mixture of a high-temperature resistant polymer particulate such as polyamide particulate  
10   and a curable powder adhesive on the surface, and finally subjecting the surface-coated metal substrate to a curing treatment sufficient to cure the powder adhesive and thereby adhere the polymer particulate as a film on the surface. Preferably, the polymer particulate is temperature resistant  
15   up to about 700°F, while the powder adhesive in all cases of course cures below the temperature-resistant level of the polymer particulate.

      A steel substrate coated in accord with the present methodology is particularly useful as a curing fixture upon  
20   which resin-impregnated fiber of polymer composite material is placed to thereby give molded parts made therefrom a desired shape. Production of a part is accomplished by vacuum bagging the composite material to the steel fixture and curing the so-produced part in place on the fixture in an autoclave at an  
25   elevated temperature. In this manner the acid impervious curing fixture of the present invention allows production of

composite parts without the danger of leaching iron from the fixture to thus assure full-utility part fabrication.

5

Brief Description of the Drawings

An illustrative and presently preferred embodiment of the invention is shown in the accompanying drawings in which:

Figure 1 is a flow diagram of preferred methodology in fabricating a coated curing fixture; and

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Figure 2 is a flow diagram of preferred methodology for fabricating a composite-material part employing a coated curing fixture of Figure 1.

Detailed Description of the Preferred Embodiment

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While a surface of substantially any metal substrate is a candidate for the coating of the present invention, the preferred embodiment addresses fabrication of a steel curing fixture employed in the production of composite parts made from material that has an acid content and that is cured while in contact with the steel curing fixture.

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Referring to Figure 1, preferred methodology for fabricating a steel curing fixture whose surface has an acid impervious coating first involves placement of the fixture in a field of treatment. Preferably, this field of treatment permits an electrostatic deposition environment and therefore either charges or grounds the steel fixture as known in the

25

art so that charged deposition material is electrically attracted to the fixture. The acid impervious coating provided by preferred methodology initially comprises a high-temperature tolerant polymer particulate, most preferably a polyamide particulate, and a non-cured powder adhesive preferably heat-curable, with such heat curing occurring at a temperature below the temperature tolerance of the polymer particulate. The most preferred polyamide for particulate production is KAPTON, manufactured by DuPont Co., Wilmington, Delaware, which is temperature resistant up to about 700°F. If the polymer is available in film form only, the film first must be chopped to produce a particulate wherein, most preferably, each particle thereof has a total surface area of about 0.008 square inch. Preferred adhesive powder is a conventional polyamide powder adhesive that heat-cures at a temperature below about 650°F and is temperature resistant up to about 700°F.

A mixture of high-temperature resistant polymer particulate and powder adhesive is prepared such that sufficient particulate is provided to cover the surface to be coated and sufficient adhesive is present to maintain particulate adhesion to the surface. This mixture preferably is deposited electrostatically on the surface of the steel curing fixture, after which the fixture is placed in an oven or autoclave or otherwise heated to the curing temperature of the powder adhesive to thereby cause adherence of the

polyamide particulate as a coating. As illustrated in Figure 2, the steel fixture so produced is acid impervious to thereby permit contact of resin-impregnated fiber of polymer composite material subsequently vacuum bagged about the fixture and  
5 thereon cured at an elevated temperature to thus fabricate composite parts.

While an illustrative and presently preferred embodiment of the invention has been described in detail herein, it is to be understood that the inventive concepts may be otherwise  
10 variously embodied and employed and that the appended claims are intended to be construed to include such variations except insofar as limited by the prior art.

WHAT IS CLAIMED IS:

1. A method of rendering a surface of a metal substrate substantially acid impervious, said method comprising:

- a) placing said surface in a field of treatment;
- 5        b) depositing a mixture of a polymer particulate having a temperature resistance of at least about 500°F and a curable powder adhesive on said surface; and
- 10        c) subjecting the metal substrate with said mixture deposited on the surface thereof to a curing treatment sufficient to cure the powder adhesive to thereby adhere the polymer particulate as a film on said surface.

2. A method as claimed in Claim 1 wherein the metal substrate comprises steel.

3. A method as claimed in Claim 1 wherein the polymer  
15        particulate is a polyamide having a temperature resistance up to about 700°F.

4. A method as claimed in Claim 3 wherein the powder adhesive is a heat curable polyamide curable at a temperature below about 650°F.

20        5. A method as claimed in Claim 1 wherein the field of treatment is such that electrostatic deposition is employable for depositing said mixture on the surface of the metal substrate.

25        6. A method of fabricating a steel curing fixture having a coating on a surface thereof to thereby render the surface of the fixture substantially acid impervious, said method

comprising:

- a) placing said surface in a field of treatment;
- b) depositing a mixture of a polymer particulate having a temperature resistance of at least about 500°F and a curable powder adhesive on said surface; and
- c) subjecting the fixture with said mixture deposited on the surface thereof to a curing treatment sufficient to cure the powder adhesive to thereby adhere the polymer particulate as a film on said surface.

7. A method as claimed in Claim 6 wherein the polymer particulate is a polyamide having a temperature resistance up to about 700°F.

8. A method as claimed in Claim 7 wherein the powder adhesive is a heat curable polyamide curable at a temperature below about 650°F.

9. A method as claimed in Claim 6 wherein the field of treatment is such that electrostatic deposition is employable for depositing said mixture on the surface of the steel curing fixture.

10. A method of fabricating a steel curing fixture having a surface with a coating thereon to thereby render the surface of the fixture substantially acid impervious, said method comprising:

- a) placing said surface in a field of treatment such that electrostatic deposition is employable;
- b) electrostatically depositing a mixture of a

polyamide particulate and a heat curable polyamide powder adhesive on said surface, with said polyamide particulate temperature resistant up to about 700°F and said adhesive curable at a temperature below about 650°F.; and

5           c)     subjecting the fixture with said mixture deposited on the surface thereof to a temperature sufficient to cure the powder adhesive to thereby adhere the polyamide particulate as a film on the surface of the steel curing fixture.

10           11.    An acid impervious metal substrate comprising a surface having disposed thereon an acid impervious coating comprising a polyamide particulate and a cured powder adhesive.

15           12.    An acid impervious metal substrate as claimed in Claim 11 wherein the metal substrate comprises steel.

13.    An acid impervious metal substrate as claimed in Claim 11 wherein the polyamide particulate is temperature resistant up to about 700°F.

20           14.    An acid impervious metal substrate as claimed in Claim 13 wherein the adhesive is heat curable at a temperature below about 650°F.

25           15.    An acid impervious steel curing fixture comprising a surface having disposed thereon an acid impervious coating comprising a polyamide particulate and a cured powder adhesive, said polyamide particulate being temperature resistant up to about 700°F., and said adhesive being heat

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Abstract

A method of rendering a surface of a metal substrate substantially acid impervious. The method includes first placing the surface in a field of treatment, then depositing  
5 a mixture of a high-temperature resistant polymer particulate such as polyamide particulate and a curable powder adhesive on the surface, and finally subjecting the surface-coated metal substrate to a curing treatment sufficient to cure the powder adhesive and thereby adhere the polymer particulate as a film  
10 on the surface. A steel substrate coated in accord with the present methodology is particularly useful as a curing fixture upon which resin-impregnated fiber of polymer composite material is placed to thereby give molded parts made therefrom a desired shape. Production of a part is accomplished by  
15 vacuum bagging the composite material to the steel fixture and curing the so-produced part in place on the fixture in an autoclave at an elevated temperature. In this manner the acid impervious curing fixture allows production of composite parts without the danger of leaching iron from the fixture to thus  
20 assure full-utility part fabrication.

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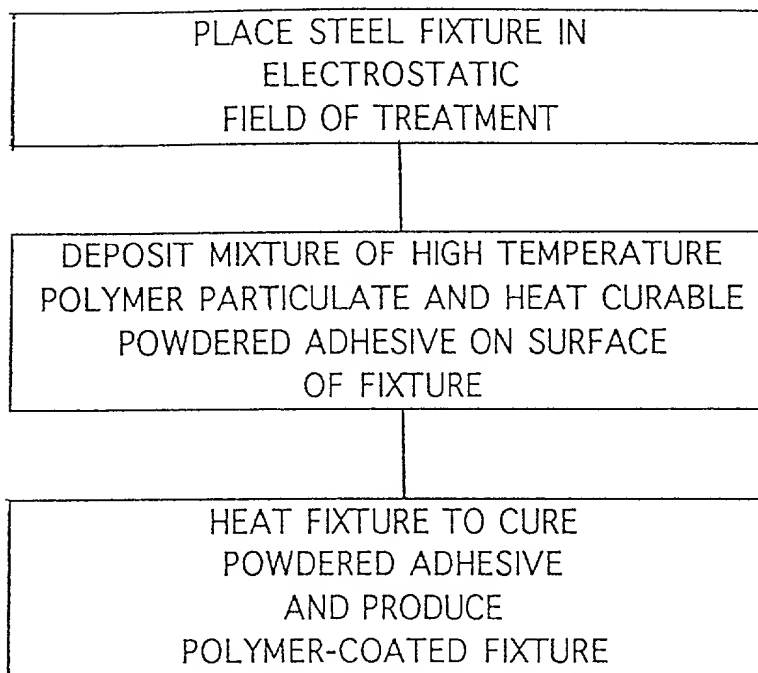


FIGURE 1

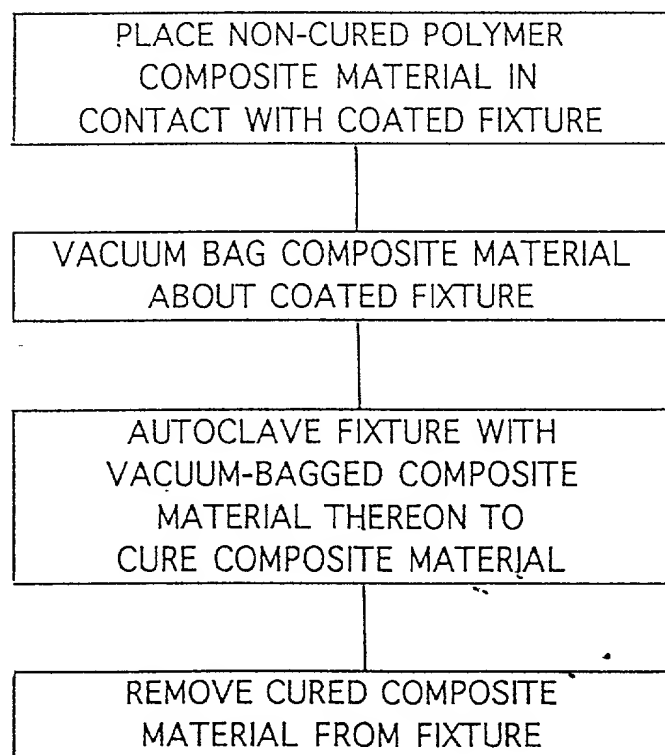


FIGURE 2

Practitioner's Docket No. NORTH- 358A /A-2185 **PATENT**

### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

- ☒ original.
- ☐ design.
- ☐ supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

- ☐ divisional.
- ☐ continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

- ☐ continuation-in-part (C-I-P).

#### INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

ACID IMPERVIOUS COATED METAL SUBSTRATE SURFACE  
AND METHOD OF PRODUCTION

# SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☒ is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) ☐ was filed on \_\_\_\_\_, as ☐ Serial No. 0 / \_\_\_\_\_  
or ☐ \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g., 08/123,456);

"(2) name of inventor(s), serial number and filing date;

"(3) name of inventor(s) and attorney docket number which was on the specification as filed;

"(4) name of inventor(s), title which was on the specification as filed and filing date;

"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.

(c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_, filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

(Declaration and Power of Attorney [1-1]—page 2 of 7)

**SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))**

*(complete the following where a supplemental declaration is being submitted)*

- ☐ I hereby declare that the subject matter of the
- ☐ attached amendment
  - ☐ amendment filed on \_\_\_\_\_

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

*(also check the following items, if desired)*

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))**

**NOTE:** "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(f). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

*(complete (d) or (e))*

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

**NOTE:** Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)**  
(34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_/\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)**  
**UNDER 35 U.S.C. 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]—page 4 of 7)

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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**NOTE:** If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete **ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION** for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

*(list name and registration number)*

Terry J. Anderson, Esq., Reg. No. 24,271; Karl J. Hoch, Jr., Reg. No. 34,181;  
Kit M. Stetina, Reg. No. 29,445; Bruce B. Brunda, Reg. No. 28,497;  
Mark B. Garred, Reg. No. 34,823; William J. Brucker, Reg. No. 35,462;  
Matthew A. Newboles, Reg. No. 36,224; Thomas C. Naber, Reg. No. 26,777;  
Eric L. Tanezaki, Reg. No. 40,196

*(check the following item, if applicable)*

- ☐ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:  
*(Name and telephone number)*

☒ Address

Terry J. Anderson, Esq.  
NORTHROP GRUMMAN CORPORATION  
1840 Century Park East  
Los Angeles, CA 90067-2199

Terry J. Anderson, Esq.  
(213) 600-5823

☐ Customer Number \_\_\_\_\_

---

# DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, *inter alia*, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

Full name of sole or first inventor

Jerry Wynn Brimer  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 28707 Indies Lane, Canyon Country, CA 91351

Post Office Address 28707 Indies Lane, Canyon Country, CA 91351

\_\_\_\_\_

Full name of second joint inventor, if any

Ernie Robert Silva  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 1917-A Huntington Drive, Duarte, CA 91010

Post Office Address 1917-A Huntington Drive, Duarte, CA 91010

\_\_\_\_\_

Full name of third joint inventor, if any

William K. Oehlert (deceased)  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 11926 Shotgun Way, Helotes, Texas 78023

Post Office Address 11926 Shotgun Way, Helotes, Texas 78023

\_\_\_\_\_

(Declaration and Power of Attorney [1-1]—page 6 of 7)

Practitioner's Docket No. NORTH-358A/A-2185ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joint inventor, if any

JamesA.Kirk

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 1125 Bennett, Long Beach, CA 90804Post Office Address 1125 Bennett, Long Beach, CA 90804

Full name of fifth joint inventor, if any

BenjaminS.Wong

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 954 Sunnyhill Place, Diamond Bar, CA 91765Post Office Address 954 Sunnyhill Place, Diamond Bar, CA 91765

Full name of sixth joint inventor, if any

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship \_\_\_\_\_

Residence \_\_\_\_\_

Post Office Address \_\_\_\_\_

Practitioner's Docket No. NORTH-358A/A-2185

ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNING BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX)  
OR LEGAL REPRESENTATIVE ON BEHALF OF DECEASED OR  
INCAPACITATED INVENTOR (37 CFR 1.42 AND 1.43)

I, Paula Oehlert  
(type or print name(s) of administrator(trix), executor(trix), legal representative or all heirs)  
hereby declare that I am a citizen of United States  
residing at 11926 Shotgun Way, Helotes, Texas 78023

and that I am executing and signing the declaration to which this is attached as

(check one):

- ☐ the administrator(trix) of  
☒ executor(trix) of the last will and testament of  
☐ legal representative (or heirs) of

William K. Oehlert

Full name of (first, second etc.) deceased or incapacitated inventor

United States

Country of citizenship of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Residence of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Post Office Address of deceased or incapacitated inventor

NOTE: The name of the first, second etc. deceased or incapacitated inventor should preferably also be filled in at the appropriate prior space of the declaration adding the words "deceased-completed on added page" or "incapacitated-completed on added page."

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: 12-17-98

Paula Oehlert  
Signature of administrator(trix), executor(trix) Paula Oehlert  
legal representative (or all heirs)

NOTE: Proof of authority of the administrator(trix), executor(trix) or legal representative must be recorded in the PTO or filed in the application before the grant of the patent. 37 CFR 1.44.

NOTE: Application may be made by the heirs of the inventor if a certificate of the court will establish that they are all the heirs and the estate was not required to appoint an administrator. If the heirs are signing add lines for all the heirs to sign. MPEP § 409.01(a), 6th ed., rev. 3.

(Added Page to Combined Declaration and Power of Attorney for Signing by Administrator(trix), Executor(trix) or Legal Representative on Behalf of Deceased or Incapacitated Inventor (37 CFR 1.42 and 1.43) [1-3])

(check proper box(es) for any of the following added page(s)  
that form a part of this declaration)

☒ Signature for fourth and subsequent joint inventors. Number of pages added  
1.

\* \* \*

☒ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added 1.

\* \* \*

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_

\* \* \*

☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

\* \* \*

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

☐ Authorization of practitioner(s) to accept and follow instructions from representative.

\* \* \*

(if no further pages form a part of this Declaration,  
then end this Declaration with this page and check the following item)

☐ This declaration ends with this page.

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type:

(check one applicable item below)

- ☒ original.  
☐ design.  
☐ supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

- ☐ divisional.  
☐ continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

- ☐ continuation-in-part (C-I-P).

**INVENTORSHIP IDENTIFICATION**

**WARNING:** If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

ACID IMPERVIOUS COATED METAL SUBSTRATE SURFACE  
AND METHOD OF PRODUCTION

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# SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☒ is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) ☐ was filed on \_\_\_\_\_, as ☐ Serial No. 0 / \_\_\_\_\_  
or ☐ \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g., 08/123,456);

"(2) name of inventor(s), serial number and filing date;

"(3) name of inventor(s) and attorney docket number which was on the specification as filed;

"(4) name of inventor(s), title which was on the specification as filed and filing date;

"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.

(c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_, filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

(Declaration and Power of Attorney [1-1]—page 2 of 7)

**SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))**

*(complete the following where a supplemental declaration is being submitted)*

- ☐ I hereby declare that the subject matter of the
- ☐ attached amendment
  - ☐ amendment filed on \_\_\_\_\_

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

*(also check the following items, if desired)*

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))**

**NOTE:** "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(f). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

*(complete (d) or (e))*

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

**NOTE:** Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)**  
(34 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_/\_\_\_\_\_  
\_\_\_\_\_/\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)**  
**UNDER 35 U.S.C. 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]—page 4 of 7)

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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*NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.*

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

*(list name and registration number)*

Terry J. Anderson, Esq., Reg. No. 24,271; Karl J. Hoch, Jr., Reg. No. 34,181;  
Kit M. Stetina, Reg. No. 29,445; Bruce B. Brunda, Reg. No. 28,497;  
Mark B. Garred, Reg. No. 34,823; William J. Brucker, Reg. No. 35,462;  
Matthew A. Newboles, Reg. No. 36,224; Thomas C. Naber, Reg. No. 26,777;  
Eric L. Tanezaki, Reg. No. 40,196

*(check the following item, if applicable)*

- ☐ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

---

**SEND CORRESPONDENCE TO**

☒ **Address**

Terry J. Anderson, Esq.  
NORTHROP GRUMMAN CORPORATION  
1840 Century Park East  
Los Angeles, CA 90067-2199

**DIRECT TELEPHONE CALLS TO:**  
*(Name and telephone number)*

Terry J. Anderson, Esq.  
(213) 600-5823

☐ **Customer Number** \_\_\_\_\_

---

# DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

Full name of sole or first inventor

Jerry Wynn Brimer  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 28707 Indies Lane, Canyon Country, CA 91351

Post Office Address 28707 Indies Lane, Canyon Country, CA 91351

Full name of second joint inventor, if any

Ernie Robert Silva  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature Ernie Silva

Date 12/15/99 Country of Citizenship U.S.A.

Residence 1917-A Huntington Drive, Duarte, CA 91010

Post Office Address 1917-A Huntington Drive, Duarte, CA 91010

Full name of third joint inventor, if any

William K. Oehlert (deceased)  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 11926 Shotgun Way, Helotes, Texas 78023

Post Office Address 11926 Shotgun Way, Helotes, Texas 78023

(Declaration and Power of Attorney [1-1]—page 6 of 7)

Practitioner's Docket No. NORTH-358A/A-2185ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joint inventor, if any

<u>James</u>	<u>A.</u>	<u>Kirk</u>
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 1125 Bennett, Long Beach, CA 90804Post Office Address 1125 Bennett, Long Beach, CA 90804

Full name of fifth joint inventor, if any

<u>Benjamin</u>	<u>S.</u>	<u>Wong</u>
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 954 Sunnyhill Place, Diamond Bar, CA 91765Post Office Address 954 Sunnyhill Place, Diamond Bar, CA 91765

Full name of sixth joint inventor, if any

_____	_____	_____
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship \_\_\_\_\_

Residence \_\_\_\_\_

Post Office Address \_\_\_\_\_

Practitioner's Docket No. NORTH-358A/A-2185

ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNING BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX)  
OR LEGAL REPRESENTATIVE ON BEHALF OF DECEASED OR  
INCAPACITATED INVENTOR (37 CFR 1.42 AND 1.43)

I, Paula Oehlert  
(type or print name(s) of administrator(trix), executor(trix), legal representative or all heirs)  
hereby declare that I am a citizen of United States  
residing at 11926 Shotgun Way, Helotes, Texas 78023

and that I am executing and signing the declaration to which this is attached as

(check one):

- ☐ the administrator(trix) of  
☒ executor(trix) of the last will and testament of  
☐ legal representative (or heirs) of

William K. Oehlert

Full name of (first, second etc.) deceased or incapacitated inventor

United States

Country of citizenship of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Residence of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Post Office Address of deceased or incapacitated inventor

NOTE: The name of the first, second etc. deceased or incapacitated inventor should preferably also be filled in at the appropriate prior space of the declaration adding the words "deceased-completed on added page" or "incapacitated-completed on added page."

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: \_\_\_\_\_

Signature of administrator(trix), executor(trix) Paula Oehlert  
legal representative (or all heirs)

NOTE: Proof of authority of the administrator(trix), executor(trix) or legal representative must be recorded in the PTO or filed in the application before the grant of the patent. 37 CFR 1.44.

NOTE: Application may be made by the heirs of the inventor if a certificate of the court will establish that they are all the heirs and the estate was not required to appoint an administrator. If the heirs are signing add lines for all the heirs to sign. MPEP § 409.01(a), 6th ed., rev. 3.

(Added Page to Combined Declaration and Power of Attorney for Signing by Administrator(trix), Executor(trix) or Legal Representative on Behalf of Deceased or Incapacitated Inventor (37 CFR 1.42 and 1.43) [1-3])

(check proper box(es) for any of the following added page(s)  
that form a part of this declaration)

☒ Signature for fourth and subsequent joint inventors. Number of pages added  
1.

\* \* \*

☒ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added 1.

\* \* \*

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_

\* \* \*

☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

\* \* \*

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

☐ Authorization of practitioner(s) to accept and follow instructions from representative.

\* \* \*

(if no further pages form a part of this Declaration,  
then end this Declaration with this page and check the following item)

☐ This declaration ends with this page.

Practitioner's Docket No. NORTH- 358A /A-2185 **PATENT**

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**COMBINED DECLARATION AND POWER OF ATTORNEY**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type:

(check one applicable item below)

- ☒ original.  
☐ design.  
☐ supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

- ☐ divisional.  
☐ continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

- ☐ continuation-in-part (C-I-P).

**INVENTORSHIP IDENTIFICATION**

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

---

ACID IMPERVIOUS COATED METAL SUBSTRATE SURFACE  
AND METHOD OF PRODUCTION

---

# SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☒ is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) ☐ was filed on \_\_\_\_\_, as ☐ Serial No. 0 / \_\_\_\_\_  
or ☐ \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g., 08/123,456);

"(2) name of inventor(s), serial number and filing date;

"(3) name of inventor(s) and attorney docket number which was on the specification as filed;

"(4) name of inventor(s), title which was on the specification as filed and filing date;

"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.

(c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_, filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

(Declaration and Power of Attorney [1-1]—page 2 of 7)

## SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))

(complete the following where a supplemental declaration is being submitted)

- ☐ I hereby declare that the subject matter of the
- ☐ attached amendment
  - ☐ amendment filed on \_\_\_\_\_

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

### ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

(also check the following items, if desired)

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

### PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(f). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(34 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

\_\_\_\_ / \_\_\_\_\_  
\_\_\_\_ / \_\_\_\_\_  
\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)  
UNDER 35 U.S.C. 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]—page 4 of 7)

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

*(list name and registration number)*

Terry J. Anderson, Esq., Reg. No. 24,271; Karl J. Hoch, Jr., Reg. No. 34,181;  
Kit M. Stetina, Reg. No. 29,445; Bruce B. Brunda, Reg. No. 28,497;  
Mark B. Garred, Reg. No. 34,823; William J. Brucker, Reg. No. 35,462;  
Matthew A. Newboles, Reg. No. 36,224; Thomas C. Naber, Reg. No. 26,777;  
Eric L. Tanezaki, Reg. No. 40,196

*(check the following item, if applicable)*

- ☐ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:  
*(Name and telephone number)*

☒ Address

Terry J. Anderson, Esq.  
NORTHROP GRUMMAN CORPORATION  
1840 Century Park East  
Los Angeles, CA 90067-2199

Terry J. Anderson, Esq.  
(213) 600-5823

☐ Customer Number \_\_\_\_\_

---

# DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

Full name of sole or first inventor

Jerry Wynn Brimer  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  
Inventor's signature Jerry Wynn Brimer  
Date 12/15/98 Country of Citizenship U.S.A.  
Residence 28707 Indies Lane, Canyon Country, CA 91351  
Post Office Address 28707 Indies Lane, Canyon Country, CA 91351

Full name of second joint inventor, if any

Ernie Robert Silva  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  
Inventor's signature \_\_\_\_\_  
Date \_\_\_\_\_ Country of Citizenship U.S.A.  
Residence 1917-A Huntington Drive, Duarte, CA 91010  
Post Office Address 1917-A Huntington Drive, Duarte, CA 91010

Full name of third joint inventor, if any

William K. Oehlert (deceased)  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)  
Inventor's signature \_\_\_\_\_  
Date \_\_\_\_\_ Country of Citizenship U.S.A.  
Residence 11926 Shotgun Way, Helotes, Texas 78023  
Post Office Address 11926 Shotgun Way, Helotes, Texas 78023

(Declaration and Power of Attorney [1-1]—page 6 of 7)

Practitioner's Docket No. NORTH-358A/A-2185ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joint inventor, if any

JamesA.Kirk

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 1125 Bennett, Long Beach, CA 90804Post Office Address 1125 Bennett, Long Beach, CA 90804

Full name of fifth joint inventor, if any

BenjaminS.Wong

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 954 Sunnyhill Place, Diamond Bar, CA 91765Post Office Address 954 Sunnyhill Place, Diamond Bar, CA 91765

Full name of sixth joint inventor, if any

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship \_\_\_\_\_

Residence \_\_\_\_\_

Post Office Address \_\_\_\_\_

Practitioner's Docket No. NORTH-358A/A-2185

ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNING BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX)  
OR LEGAL REPRESENTATIVE ON BEHALF OF DECEASED OR  
INCAPACITATED INVENTOR (37 CFR 1.42 AND 1.43)

I, Paula Oehlert  
(type or print name(s) of administrator(trix), executor(trix), legal representative or all heirs)

hereby declare that I am a citizen of United States,  
residing at 11926 Shotgun Way, Helotes, Texas 78023

and that I am executing and signing the declaration to which this is attached as

(check one):

- ☐ the administrator(trix) of  
☒ executor(trix) of the last will and testament of  
☐ legal representative (or heirs) of

William K. Oehlert

Full name of (first, second etc.) deceased or incapacitated inventor

United States

Country of citizenship of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Residence of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Post Office Address of deceased or incapacitated inventor

NOTE: The name of the first, second etc. deceased or incapacitated inventor should preferably also be filled in at the appropriate prior space of the declaration adding the words "deceased-completed on added page" or "incapacitated-completed on added page."

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: \_\_\_\_\_

Signature of administrator(trix), executor(trix) Paula Oehlert  
legal representative (or all heirs)

NOTE: Proof of authority of the administrator(trix), executor(trix) or legal representative must be recorded in the PTO or filed in the application before the grant of the patent. 37 CFR 1.44.

NOTE: Application may be made by the heirs of the inventor if a certificate of the court will establish that they are all the heirs and the estate was not required to appoint an administrator. If the heirs are signing add lines for all the heirs to sign. MPEP § 409.01(a), 6th ed., rev. 3.

(Added Page to Combined Declaration and Power of Attorney for Signing by Administrator(trix), Executor(trix) or Legal Representative on Behalf of Deceased or Incapacitated Inventor (37 CFR 1.42 and 1.43) [1-3])

(check proper box(es) for any of the following added page(s)  
that form a part of this declaration)

- ☒ Signature for fourth and subsequent joint inventors. Number of pages added  
1.

\* \* \*

- ☒ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added 1.

\* \* \*

- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_

\* \* \*

- ☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

\* \* \*

- ☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

- ☐ Authorization of practitioner(s) to accept and follow instructions from representative.

\* \* \*

(if no further pages form a part of this Declaration,  
then end this Declaration with this page and check the following item)

- ☐ This declaration ends with this page.

Practitioner's Docket No. NORTH- 358A /A-2185 **PATENT**

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

---

As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type:

(check one applicable item below)

- ☒ original.  
☐ design.  
☐ supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.63(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

- ☐ divisional.  
☐ continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

- ☐ continuation-in-part (C-I-P).

**INVENTORSHIP IDENTIFICATION**

**WARNING:** If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

ACID IMPERVIOUS COATED METAL SUBSTRATE SURFACE  
AND METHOD OF PRODUCTION

# SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☒ is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) ☐ was filed on \_\_\_\_\_, as ☐ Serial No. 0 / \_\_\_\_\_ or ☐ \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and application number (consisting of the series code and the serial number, e.g., 08/123,456);

"(2) name of inventor(s), serial number and filing date;

"(3) name of inventor(s) and attorney docket number which was on the specification as filed;

"(4) name of inventor(s), title which was on the specification as filed and filing date;

"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number, e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.

(c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_, filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

(Declaration and Power of Attorney [1-1]—page 2 of 7)

**SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))**

*(complete the following where a supplemental declaration is being submitted)*

- ☐ I hereby declare that the subject matter of the
- ☐ attached amendment
  - ☐ amendment filed on \_\_\_\_\_

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

*(also check the following items, if desired)*

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))**

*NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(f). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).*

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

*(complete (d) or (e))*

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

*NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.*

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(34 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

\_\_\_\_ / \_\_\_\_\_  
\_\_\_\_ / \_\_\_\_\_  
\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)  
UNDER 35 U.S.C. 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]—page 4 of 7)

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

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NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

*(list name and registration number)*

Terry J. Anderson, Esq., Reg. No. 24,271; Karl J. Hoch, Jr., Reg. No. 34,181;  
Kit M. Stetina, Reg. No. 29,445; Bruce B. Brunda, Reg. No. 28,497;  
Mark B. Garred, Reg. No. 34,823; William J. Brucker, Reg. No. 35,462;  
Matthew A. Newboles, Reg. No. 36,224; Thomas C. Naber, Reg. No. 26,777;  
Eric L. Tanezaki, Reg. No. 40,196

*(check the following item, if applicable)*

- ☐ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

☒ Address

Terry J. Anderson, Esq.  
NORTHROP GRUMMAN CORPORATION  
1840 Century Park East  
Los Angeles, CA 90067-2199

DIRECT TELEPHONE CALLS TO:  
*(Name and telephone number)*

Terry J. Anderson, Esq.  
(213) 600-5823

☐ Customer Number \_\_\_\_\_

---

# DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

Full name of sole or first inventor

Jerry Wynn Brimer  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 28707 Indies Lane, Canyon Country, CA 91351

Post Office Address 28707 Indies Lane, Canyon Country, CA 91351

Full name of second joint inventor, if any

Ernie Robert Silva  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 1917-A Huntington Drive, Duarte, CA 91010

Post Office Address 1917-A Huntington Drive, Duarte, CA 91010

Full name of third joint inventor, if any

William K. Oehlert (deceased)  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 11926 Shotgun Way, Helotes, Texas 78023

Post Office Address 11926 Shotgun Way, Helotes, Texas 78023

(Declaration and Power of Attorney [1-1]—page 6 of 7)

Practitioner's Docket No. NORTH-358A/A-2185ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joint inventor, if any

<u>James</u>	<u>A.</u>	<u>Kirk</u>
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 1125 Bennett, Long Beach, CA 90804Post Office Address 1125 Bennett, Long Beach, CA 90804

Full name of fifth joint inventor, if any

<u>Benjamin</u>	<u>S.</u>	<u>Wong</u>
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date 1-25-99 Country of Citizenship U.S.A.Residence 954 Sunnyhill Place, Diamond Bar, CA 91765Post Office Address 954 Sunnyhill Place, Diamond Bar, CA 91765

Full name of sixth joint inventor, if any

_____	_____	_____
GIVEN NAME	MIDDLE INITIAL OR NAME	FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship \_\_\_\_\_

Residence \_\_\_\_\_

Post Office Address \_\_\_\_\_

Practitioner's Docket No. NORTH-358A/A-2185

ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNING BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX)  
OR LEGAL REPRESENTATIVE ON BEHALF OF DECEASED OR  
INCAPACITATED INVENTOR (37 CFR 1.42 AND 1.43)

I, Paula Oehlert,  
(type or print name(s) of administrator(trix), executor(trix), legal representative or all heirs)  
hereby declare that I am a citizen of United States,  
residing at 11926 Shotgun Way, Helotes, Texas 78023

and that I am executing and signing the declaration to which this is attached as

(check one):

- ☐ the administrator(trix) of  
☒ executor(trix) of the last will and testament of  
☐ legal representative (or heirs) of

William K. Oehlert

Full name of (first, second etc.) deceased or incapacitated inventor

United States

Country of citizenship of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Residence of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Post Office Address of deceased or incapacitated inventor

NOTE: The name of the first, second etc. deceased or incapacitated inventor should preferably also be filled in at the appropriate prior space of the declaration adding the words "deceased-completed on added page" or "incapacitated-completed on added page."

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: \_\_\_\_\_

Signature of administrator(trix), executor(trix) Paula Oehlert  
legal representative (or all heirs)

NOTE: Proof of authority of the administrator(trix), executor(trix) or legal representative must be recorded in the PTO or filed in the application before the grant of the patent. 37 CFR 1.44.

NOTE: Application may be made by the heirs of the inventor if a certificate of the court will establish that they are all the heirs and the estate was not required to appoint an administrator. If the heirs are signing add lines for all the heirs to sign. MPEP § 409.01(a), 6th ed., rev. 3.

(Added Page to Combined Declaration and Power of Attorney for Signing by Administrator(trix), Executor(trix) or Legal Representative on Behalf of Deceased or Incapacitated Inventor (37 CFR 1.42 and 1.43) [1-3])

(check proper box(es) for any of the following added page(s)  
that form a part of this declaration)

☒ Signature for fourth and subsequent joint inventors. Number of pages added  
1

\* \* \*

☒ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added 1

\* \* \*

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_

\* \* \*

☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

\* \* \*

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

☐ Authorization of practitioner(s) to accept and follow instructions from representative.

\* \* \*

(if no further pages form a part of this Declaration,  
then end this Declaration with this page and check the following item)

☐ This declaration ends with this page.

Practitioner's Docket No. NORTH- 358A /A-2185 **PATENT**

### COMBINED DECLARATION AND POWER OF ATTORNEY

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

As a below named inventor, I hereby declare that:

#### TYPE OF DECLARATION

This declaration is of the following type:

(check one applicable item below)

- ☒ original.  
☐ design.  
☐ supplemental.

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT.

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

NOTE: See 37 C.F.R. § 1.53(d) (continued prosecution application) for use of a prior nonprovisional application declaration in the continuation or divisional application being filed on behalf of the same or fewer of the inventors named in the prior application.

- ☐ divisional.  
☐ continuation.

NOTE: Where an application discloses and claims subject matter not disclosed in the prior application, or a continuation or divisional application names an inventor not named in the prior application, a continuation-in-part application must be filed under 37 C.F.R. § 1.53(b) (application filing requirements — nonprovisional application).

- ☐ continuation-in-part (C-I-P).

#### INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

#### TITLE OF INVENTION

ACID IMPERVIOUS COATED METAL SUBSTRATE SURFACE  
AND METHOD OF PRODUCTION

## SPECIFICATION IDENTIFICATION

the specification of which:

(complete (a), (b), or (c))

(a) ☒ is attached hereto.

NOTE: "The following combinations of information supplied in an oath or declaration filed on the application filing date with a specification are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration on filing;

"(2) name of inventor(s), and attorney docket number which was on the specification as filed; or

"(3) name of inventor(s), and title which was on the specification as filed."

Notice of July 13, 1995 (1177 O.G. 60).

(b) ☐ was filed on \_\_\_\_\_, as ☐ Serial No. 0 / \_\_\_\_\_  
or ☐ \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

NOTE: "The following combinations of information supplied in an oath or declaration filed after the filing date are acceptable as minimums for identifying a specification and compliance with any one of the items below will be accepted as complying with the identification requirement of 37 CFR 1.63:

"(1) name of inventor(s), and application number (consisting of the series code and the serial number; e.g., 08/123,456);

"(2) name of inventor(s), serial number and filing date;

"(3) name of inventor(s) and attorney docket number which was on the specification as filed;

"(4) name of inventor(s), title which was on the specification as filed and filing date;

"(5) name of inventor(s), title which was on the specification as filed and reference to an attached specification which is both attached to the oath or declaration at the time of execution and submitted with the oath or declaration; or

"(6) name of inventor(s), title which was on the specification as filed and accompanied by a cover letter accurately identifying the application for which it was intended by either the application number (consisting of the series code and the serial number; e.g., 08/123,456), or serial number and filing date. Absent any statement(s) to the contrary, it will be presumed that the application filed in the PTO is the application which the inventor(s) executed by signing the oath or declaration."

Notice of July 13, 1995 (1177 O.G. 60), M.P.E.P. § 601.01(a), 6th ed., rev. 3.

(c) ☐ was described and claimed in PCT International Application No. \_\_\_\_\_, filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

(Declaration and Power of Attorney [1-1]—page 2 of 7)

**SUPPLEMENTAL DECLARATION (37 C.F.R. § 1.67(b))**

*(complete the following where a supplemental declaration is being submitted)*

- ☐ I hereby declare that the subject matter of the
- ☐ attached amendment
- ☐ amendment filed on \_\_\_\_\_

was part of my/our invention and was invented before the filing date of the original application, above-identified, for such invention.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,

*(also check the following items, if desired)*

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- ☐ in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d))**

NOTE: "The claim to priority need be in no special form and may be made by the attorney or agent if the foreign application is referred to in the oath or declaration as required by § 1.63. The claim for priority and the certified copy of the foreign application specified in 35 U.S.C. 119(b) must be filed in the case of an interference (§ 1.630), when necessary to overcome the date of a reference relied upon by the examiner, when specifically required by the examiner, and in all other situations, before the patent is granted. If the claim for priority or the certified copy of the foreign application is filed after the date the issue fee is paid, it must be accompanied by a petition requesting entry and by the fee set forth in § 1.17(f). If the certified copy is not in the English language, a translation need not be filed except in the case of interference; or when necessary to overcome the date of a reference relied upon by the examiner; or when specifically required by the examiner, in which event an English language translation must be filed together with a statement that the translation of the certified copy is accurate." 37 C.F.R. § 1.55(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

*(complete (d) or (e))*

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>
			<input type="checkbox"/> YES    NO <input type="checkbox"/>

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)  
(34 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

FILING DATE

\_\_\_\_ / \_\_\_\_\_  
 \_\_\_\_ / \_\_\_\_\_  
 \_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)  
UNDER 35 U.S.C. 120**

- ☐ The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P) APPLICATION.

(Declaration and Power of Attorney [1-1]—page 4 of 7)

**ALL FOREIGN APPLICATION(S), IF ANY, FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

**NOTE:** *If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.*

**POWER OF ATTORNEY**

I hereby appoint the following practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

*(list name and registration number)*

Terry J. Anderson, Esq., Reg. No. 24,271; Karl J. Hoch, Jr., Reg. No. 34,181;  
Kit M. Stetina, Reg. No. 29,445; Bruce B. Brunda, Reg. No. 28,497;  
Mark B. Garred, Reg. No. 34,823; William J. Brucker, Reg. No. 35,462;  
Matthew A. Newboles, Reg. No. 36,224; Thomas C. Naber, Reg. No. 26,777;  
Eric L. Tanezaki, Reg. No. 40,196

*(check the following item, if applicable)*

- ☐ I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.
- ☐ Attached, as part of this declaration and power of attorney, is the authorization of the above-named practitioner(s) to accept and follow instructions from my representative(s).

**SEND CORRESPONDENCE TO**

☒ Address

Terry J. Anderson, Esq.  
NORTHROP GRUMMAN CORPORATION  
1840 Century Park East  
Los Angeles, CA 90067-2199

**DIRECT TELEPHONE CALLS TO:**  
*(Name and telephone number)*

Terry J. Anderson, Esq.  
(213) 600-5823

☐ Customer Number \_\_\_\_\_

## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents.

NOTE: Each inventor must be identified by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and by his/her residence, post office address and country of citizenship. 37 CFR § 1.63(a)(3).

NOTE: Inventors may execute separate declarations/oaths provided each declaration/oath sets forth all the inventors. Section 1.63(a)(3) requires that a declaration/oath, inter alia, identify each inventor and prohibits the execution of separate declarations/oaths which each sets forth only the name of the executing inventor. 62 Fed. Reg. 53,131, 53,142, October 10, 1997,

Full name of sole or first inventor

Jerry Wynn Brimer  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 28707 Indies Lane, Canyon Country, CA 91351

Post Office Address 28707 Indies Lane, Canyon Country, CA 91351

Full name of second joint inventor, if any

Ernie Robert Silva  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 1917-A Huntington Drive, Duarte, CA 91010

Post Office Address 1917-A Huntington Drive, Duarte, CA 91010

Full name of third joint inventor, if any

William K. Oehlert (deceased)  
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.

Residence 11926 Shotgun Way, Helotes, Texas 78023

Post Office Address 11926 Shotgun Way, Helotes, Texas 78023

(Declaration and Power of Attorney [1-1]—page 6 of 7)

Practitioner's Docket No. NORTH-358A/A-2185ADDED PAGE TO COMBINED DECLARATION AND POWER OF  
ATTORNEY FOR SIGNATURE BY FOURTH AND SUBSEQUENT INVENTORS

Full name of fourth joint inventor, if any

JamesA.Kirk

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature James A. KirkDate 1-13-99Country of Citizenship U.S.A.Residence 26545 4825 E. 6th Street, Long Beach, CA 90804-1808Post Office Address 4825 E. 6th Street, Long Beach, CA 90804-1808

Full name of fifth joint inventor, if any

BenjaminS.Wong

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship U.S.A.Residence 954 Sunnyhill Place, Diamond Bar, CA 91765Post Office Address 954 Sunnyhill Place, Diamond Bar, CA 91765

Full name of sixth joint inventor, if any

GIVEN NAME

MIDDLE INITIAL OR NAME

FAMILY (OR LAST NAME)

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship \_\_\_\_\_

Residence \_\_\_\_\_

Post Office Address \_\_\_\_\_

Practitioner's Docket No. NORTH-358A/A-2185

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR SIGNING BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX) OR LEGAL REPRESENTATIVE ON BEHALF OF DECEASED OR INCAPACITATED INVENTOR (37 CFR 1.42 AND 1.43)**

I, Paula Oehlert  
(type or print name(s) of administrator(trix), executor(trix), legal representative or all heirs)  
hereby declare that I am a citizen of United States  
residing at 11926 Shotgun Way, Helotes, Texas 78023

and that I am executing and signing the declaration to which this is attached as

(check one):

- ☐ the administrator(trix) of  
☒ executor(trix) of the last will and testament of  
☐ legal representative (or heirs) of

William K. Oehlert

Full name of (first, second etc.) deceased or incapacitated inventor

United States

Country of citizenship of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Residence of deceased or incapacitated inventor

11926 Shotgun Way, Helotes, Texas 78023

Post Office Address of deceased or incapacitated inventor

NOTE: The name of the first, second etc. deceased or incapacitated inventor should preferably also be filled in at the appropriate prior space of the declaration adding the words "deceased-completed on added page" or "incapacitated-completed on added page."

That, upon information and belief, I aver those facts that the inventor is required to state.

Date: \_\_\_\_\_

Signature of administrator(trix), executor(trix) Paula Oehlert  
legal representative (or all heirs)

NOTE: Proof of authority of the administrator(trix), executor(trix) or legal representative must be recorded in the PTO or filed in the application before the grant of the patent. 37 CFR 1.44.

NOTE: Application may be made by the heirs of the inventor if a certificate of the court will establish that they are all the heirs and the estate was not required to appoint an administrator. If the heirs are signing add lines for all the heirs to sign. MPEP § 409.01(a), 6th ed., rev. 3.

(Added Page to Combined Declaration and Power of Attorney for Signing by Administrator(trix), Executor(trix) or Legal Representative on Behalf of Deceased or Incapacitated Inventor (37 CFR 1.42 and 1.43) [1-3])

(check proper box(es) for any of the following added page(s)  
that form a part of this declaration)

☒ Signature for fourth and subsequent joint inventors. Number of pages added  
1

\* \* \*

☒ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added 1

\* \* \*

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_

\* \* \*

☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47)

\* \* \*

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☐ Number of pages added \_\_\_\_\_

\* \* \*

☐ Authorization of practitioner(s) to accept and follow instructions from representative.

\* \* \*

(if no further pages form a part of this Declaration,  
then end this Declaration with this page and check the following item)

☐ This declaration ends with this page.